ENVIRONMENTAL ENGINEERING, INC
6620 Owens Drive, Suite A • Pleasanton, CA 94588-3334
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Technical Report:
Treatment System Discharge Permit
Central Contra Costa Sanitary District
March 2006 through May 2006

Former Beacon Station
2185 Solano Way
Concord, California

June 14, 2006

Project 2463

Prepared for

Mr. Marcus Shimoff
Shimoff and Lager
c/o Bert Horn
405 Primrose Road, #300
Burlingame, California

Prepared by

SOMA Environmental Engineering, Inc.
6620 Owens Drive, Suite A
Pleasanton, California

Certification

This report has been prepared by SOMA Environmental Engineering, Inc. on behalf of Mr. Marcus Shimoff, the owner of the former Beacon Station located at 2185 Solano Way, Concord, California, to comply with the Central Contra Costa Sanitary District's Groundwater Discharge Permit requirements for March 2006 through May 2006.

Mansour Sepehr, Ph.D., P.E.
Principal Hydrogeologist

June 14, 2006

Mr. Jeremy Talarico
Central Contra Costa Sanitary District
5019 Imhoff Place
Martinez, California 94553

Re: CCCSD Class III Industrial User Permit
Former Beacon Station
2185 Solano Way, Concord, California

Dear Mr. Talarico:

This report details the operation and maintenance that was performed on the groundwater remediation system at the above referenced site from March 2006 through May 2006. Included in this report are the laboratory analytical data from the groundwater samples that were collected from the treatment system. The site vicinity map is presented in Figure 1.

Site Background

The remediation system initially began operating in October 2003. The treated groundwater was discharged under the requirements of Order 01-100, NPDES Permit No. CAG912002. On April 8, 2004, upon discovering the breakthrough of tert-Butyl-Alcohol (TBA) into the system's effluent, the system was shutdown and the Regional Water Quality Control Board (RWQCB) was notified. Due to the difficulty of removing TBA from the groundwater, and based upon the approval of the RWQCB, the treated groundwater was no longer discharged into the storm drain. On June 1, 2004, SOMA obtained approval from the Central Contra Costa (CCC) Sanitary District to begin discharging the treated groundwater into the on-site sewer main. A copy of the permit is attached as Appendix A.

At the request of the RWQCB, in a letter dated September 2, 2004, SOMA prepared a revised remedial corrective action plan (CAP). The objective of this report was to re-evaluate the previous CAP. Based on the current CCC Sanitary District's discharge requirements, neither Methyl tertiary Butyl Ether (MtBE) nor TBA needs to be removed from the treated groundwater prior to discharge into the sewer main. Therefore, based on economic considerations, as well as maintaining an effective remedial clean-up of the impacted groundwater at the site, SOMA recommended removing the vacuum air stripper and continuing site clean-up efforts using only activated carbon.

On November 4, 2004, the RWQCB approved SOMA's revised CAP. The conversion between the air stripper and GAC systems became retroactive on January 1, 2005.

On May 18, 2005, SOMA replaced the downhole electrical pump in the eastern French drain riser. At this same time, an electrical pump was also installed in the western French drain riser. Therefore, currently there are three active on-site remedial pumps and one active off-site remedial pump. The locations of the groundwater extraction wells and treatment system are shown in Figure 2. A schematic diagram of the groundwater treatment system is illustrated in Figure 3.

Treatment System Operation

Approximately 1,752,336 gallons of treated groundwater has been discharged into the site's sewer main (as of May 26, 2006). Approximately 515,370 gallons of groundwater was treated from February 22, 2006 (last reporting date) to May 26, 2006. Approximately 2,081,356 gallons of groundwater has been treated since the initial start-up of the system until May 26, 2006.

To determine whether the treated discharged groundwater from the treatment system to the site's sewer main remains below the discharge permit's limits, samples are routinely collected from the system effluent. The laboratory-reported effluent concentrations are shown in Table 1. Treatment system influent samples have been collected to evaluate the mass removal rate of impacted groundwater by the remedial system. The tabulated influent concentrations, as well as the mass removal rates, are shown in Table 2.

A completed Periodic Compliance Report (PCR) is presented in Appendix B. This report states that SOMA has remained in compliance with the requirements, as established by the CCC Sanitary District. The laboratory analytical results are presented in Appendix C.

SOMA has conducted routine maintenance on the remedial system to remain in compliance with the permit's conditions. The dates the system was checked during the time period from March 2006 through May 2006, as well as all equipment readings taken during the maintenance periods, are presented in Appendix D.

The last carbon change-out was conducted on March 8, 2006. During this time the 2,000-pound carbon vessel was refurbished with fresh carbon. The two 55-gallon polishing vessels, each containing approximately 200 pounds of carbon, were replaced with newer vessels. The non-hazardous waste data form for the carbon removal is shown in Appendix B.

Future Treatment System Events

As per the discharge permit's requirements, SOMA will routinely sample both the influent and effluent of the treatment system. Furthermore, the current Slug Discharge Prevention and Contingency (SDPC) Plan for the site will be updated by July 31, 2006.

If you have any questions or comments, please do not hesitate to call Tony Perini, Senior Project Engineer, or myself at (925) 734-6400.

Sincerely,

Mansour Sepehr, Ph.D., P.E.
Principal Hydrogeologist

Enclosures

cc: Mr. Bert Horn

Tables

Table 1

Total Volume of Treated Water, Historical Operational Data, and Historical Effluent Chemical Analytical Results

2185 Solano Way,Concord

Date	Volume (gallons)	TPH-g (ug/L)	MtBE [1] (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
2003							
27-Oct-2003	190	<50	<2.0	<0.5	<0.5	<0.5	<0.5
31-Oct-2003	1,860	<50	<2.0	<0.5	<0.5	<0.5	<0.5
14-Nov-2003	4,700	<50	<2.0	<0.5	<0.5	<0.5	<0.5
17-Nov-2003	13,540	<50	<0.5	<0.5	<0.5	<0.5	<0.5
2004							
6-Jan-2004	18,500	<50	<2.0	<0.5	<0.5	<0.5	<0.5
7-Jan-2004	25,500	<50	<2.0	<0.5	<0.5	<0.5	<0.5
13-Jan-2004	51,000	<50	<2.0	<0.5	<0.5	<0.5	<0.5
*19-Jan-2004	75,560	<50	<2.0	<0.5	<0.5	<0.5	<0.5
*21-Jan-2004	83,210	<50	<2.0	<0.5	<0.5	<0.5	<0.5
28-Jan-2004	106,510	<50	<2.0	<0.5	<0.5	<0.5	<0.5
3-Feb-2004	127,010	<50	<2.0	<0.5	<0.5	<0.5	<0.5
10-Feb-2004	151,300	<50	<2.0	<0.5	<0.5	<0.5	<0.5
19-Feb-2004	184,720	carbon change-out 2000 lb vessel, 2 55-gallon polishing vessels					
25-Feb-2004	203,620	<50	<2.0	<0.5	<0.5	<0.5	<0.5
*2-Mar-2004	233,840	<50	<2.0	<0.5	<0.5	<0.5	<0.5
9-Mar-2004	252,800	<50	<2.0	<0.5	<0.5	<0.5	<0.5
18-Mar-2004	261,300	<50	<2.0	<0.5	<0.5	<0.5	<0.5
23-Mar-2004	276,430	<50	<2.0	<0.5	<0.5	<0.5	<0.5
31-Mar-2004	280,222	<50	<2.0	<0.5	<0.5	<0.5	<0.5
5-Apr-2004	298,210	<50	<2.0	<0.5	<0.5	<0.5	<0.5
15-Apr-2004	328,040	<50	<2.0	<0.5	<0.5	<0.5	<0.5
16-Apr-2004	329,020	system shut-down due to TBA detected in effluent sample, discharge permit changed from NPDES to CCC Sanitary District discharge permit					
17-May-2004	329,020	flow meter switched to a digital instantaneous meter (GPI 09 Computer Electronics)					
8-Jun-2004	329,020	LEL meter Safe T Net 100 installed on system					
10-Jun-2004	329,020	Meeting w/ CCC Sanitary District to show District install of flow meter and LEL meter					
14-Jun-2004	329,170	Calibration of flow meter by Aqua Sierra, start-up of system, initial discharge to CCC Sanitary District					
14-Jun-2004	329,320	<50	NA	<0.5	<0.5	<0.5	<0.5

Table 1

Total Volume of Treated Water, Historical Operational Data, and Historical Effluent Chemical Analytical Results

2185 Solano Way,Concord

Date	Volume (gallons)	TPH-g (ug/L)	MtBE [1] (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
2004							
6-Jul-2004	355,053	<50	NA	<0.5	<0.5	<0.5	<0.5
4-Aug-2004	371,123	<50	NA	<0.5	<0.5	<0.5	<0.5
10-Sep-2004	414,343	<50	<2.0	<0.5	<0.5	<0.5	<0.5
8-Oct-2004	463,370	<50	<2.0	<0.5	<0.5	<0.5	<0.5
12-Nov-2004	549,217	<50	10.8	<0.5	<0.5	<0.5	<1.0
10-Dec-2004	620,760	<50	<0.5	<0.5	<0.5	<0.5	<1.0
2005							
7-Jan-2005	710,180	<50	94	<0.5	<0.5	<0.5	<0.5
11-Jan-2005	722,070	carbon change-out 2000 lb vessel, 2 55-gallon polishing vessels					
3-Feb-2005	778,030	<50	<0.5	<0.5	<0.5	<0.5	<0.5
2-Mar-2005	886,800	<4300	<10.8	<10.8	<10.8	<10.8	<21.5
15-Apr-2005	985,100	<200	4.34	<0.5	<0.5	<0.5	<1.0
25-Apr-2005	1,015,920	carbon change-out 2000 lb vessel, 2 55-gallon polishing vessels					
2-May-2005	1,029,276	<200	<0.5	<0.5	<0.5	<0.5	<1.0
18-May-2005	1,062,920	installed electrical pump in F.D. West and replaced electrical pump in F.D. East					
10-Jun-2005	1,096,570	<200	1.24	<0.5	<2.0	<0.5	<1.0
21-Jun-2005	1,126,470	Calibration of flow meter by Aqua Sierra					
31-Aug-2005	1,283,614	carbon change-out, replaced 2 55-gallon polishing vessels, removed existing 2000 lb carbon vessel, and replaced with newer 2000 lb carbon vessel					
9-Sep-2005	1,292,124	<50	<2.0	<0.5	<0.5	<0.5	<0.5
1-Dec-2005	1,383,437	<50	<2.0	<0.5	<0.5	<0.5	<0.5
2006							
8-Mar-2006	1,637,280	carbon change-out 2000 lb vessel, 2 55-gallon polishing vessels					
14-Mar-2006	**1,675,686**	**<50**	**<2.5**	**<0.5**	**<0.5**	**<0.5**	**<1.0**

Notes:
NA- Not analyzed, based on the Sanitary District requirements for MtBE.
< = not detected above laboratory reporting limits.
1: MtBE Confirmed by EPA Method 8260B.
*: Only effluent sample collected on Jan. 19, Jan. 21, and March 2, 2004

Table 2
Cumulative Mass of Petroleum Hydrocarbons Removed from Groundwater Since Installation of Treatment System
2185 Solano Way,Concord

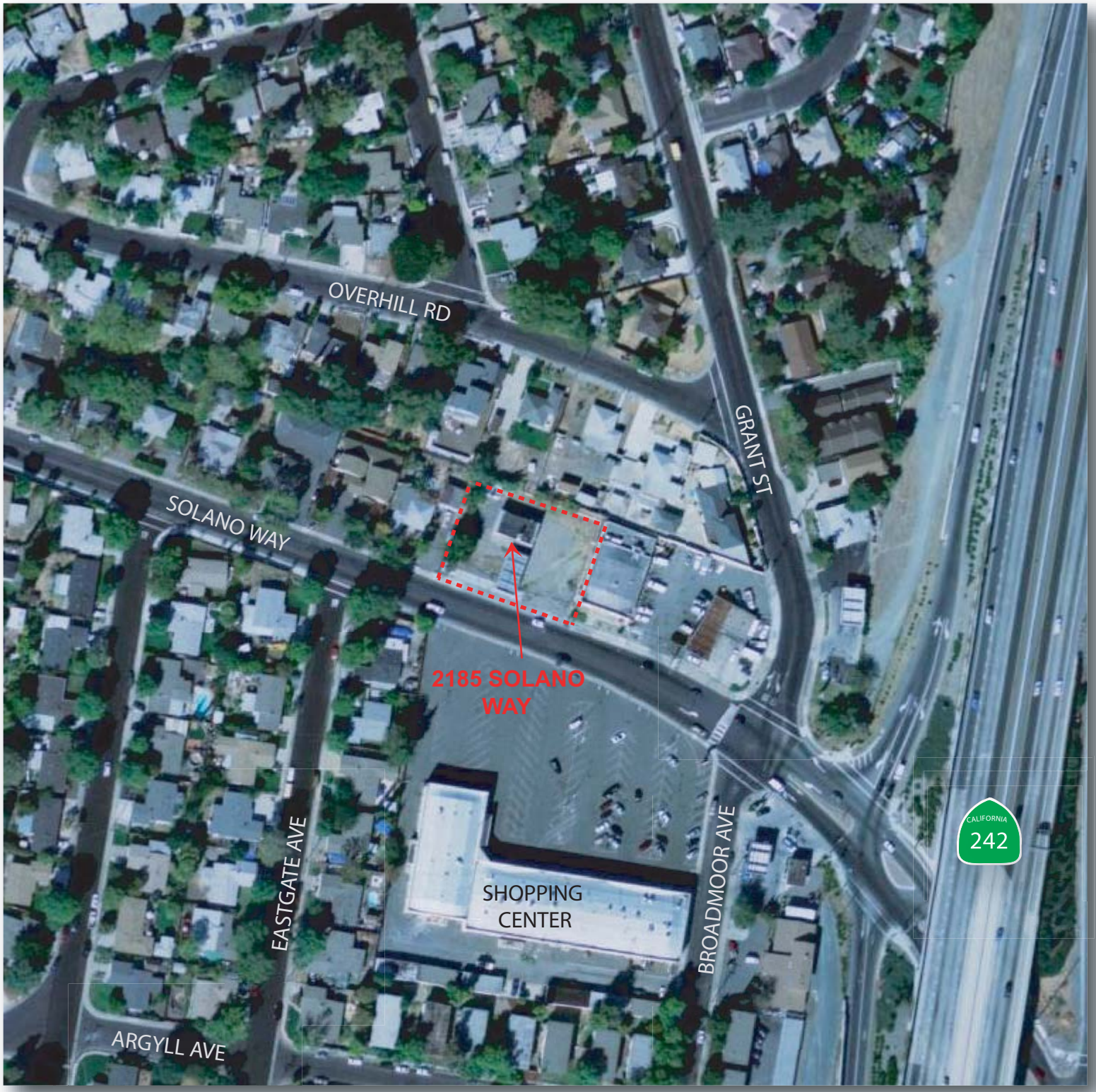
Date	Volume (gallons)	Influent Concentration (µg/L)			Mass Removed (pounds)		
		TPH-g	MtBE *	Benzene	TPH-g	MtBE	Benzene
2003							
27-Oct-2003	190	1,000	40,000	150	0.002	0.06	0.0002
31-Oct-2003	1,860	2,600	15,000	530	0.04	0.27	0.01
14-Nov-2003	4,700	300	26,000	62	0.04	0.89	0.01
17-Nov-2003	13,540	<1,300	22,000	140	0.04	2.51	0.02
2004							
6-Jan-2004	18,500	10,000	15,000	540	0.46	3.13	0.04
7-Jan-2004	25,500	20,000	24,000	1,400	1.62	4.53	0.12
13-Jan-2004	51,000	50,000 Y	22,000	750	12.24	9.20	0.28
28-Jan-2004	106,510	7,100	16,000	530	15.52	16.59	0.53
3-Feb-2004	127,010	11,000	6,200	870	17.40	17.65	0.68
10-Feb-2004	151,300	8,300	35,000	130	19.08	24.73	0.70
25-Feb-2004	203,620	27,000	5,400	940	30.84	27.08	1.11
9-Mar-2004	252,800	12,000	20,000	730	35.75	35.27	1.41
18-Mar-2004	261,300	3,700	37,000	690	36.01	37.89	1.46
23-Mar-2004	276,430	<2500	36,000	<25	36.01	42.42	1.46
31-Mar-2004	280,222	<2500	35,000	170	36.01	43.53	1.47
5-Apr-2004	298,210	2,900	36,000	310	36.45	48.92	1.51
15-Apr-2004	328,040	4,300	21,000	670	37.52	54.14	1.68
14-Jun-2004	329,170	2,700	NA	470	37.54	NA	1.68

Table 2
Cumulative Mass of Petroleum Hydrocarbons Removed from Groundwater Since Installation of Treatment System
2185 Solano Way,Concord

Date	Volume (gallons)	Influent Concentration (µg/L)			Mass Removed (pounds)		
		TPH-g	MtBE *	Benzene	TPH-g	MtBE	Benzene
2004							
6-Jul-2004	355,053	3,500	NA	610	38.30	NA	1.81
4-Aug-2004	371,123	3,500	NA	430	38.76	NA	1.87
10-Sep-2004	414,343	3,200	11,000	150	39.92	58.09	1.93
8-Oct-2004	463,370	4,600	5,100	150	41.79	60.18	1.99
12-Nov-2004	549,217	5,633	7,525	339.7	45.82	65.55	2.23
10-Dec-2004	620,760	205	416	<4.3	45.94	65.80	2.23
2005							
7-Jan-2005	710,180	9,800	6,200	520	53.24	70.42	2.62
3-Feb-2005	778,030	4,200	4,700	70	55.61	73.07	2.66
2-Mar-2005	886,800	14,300	1,300	516	68.56	74.25	3.12
15-Apr-2005	985,100	<4200	3,630	15	68.56	77.22	3.14
2-May-2005	1,029,276	5,510	1640	158	70.59	77.83	3.19
10-Jun-2005	1,096,570	6,060	1,480	244	73.98	78.65	3.33
9-Sep-2005	1,292,124	16,000	370	350	100.03	79.26	3.90
1-Dec-2005	1,383,437	3,700	780	57	102.85	79.85	3.94
2006							
14-Mar-2006	**1,675,686**	**7,100**	**3,300**	**450**	**120.12**	**87.88**	**5.04**

Notes:
NA- Not analyzed, based on the Sanitary District requirements for MtBE.
< = not detected above laboratory reporting limits.
*: MtBE Confirmed by EPA Method 8260B.
Volume is shown as total system discharge. SOMA began discharging treated groundwater to the Central Contra Costa Sanitary District after 329,020 gallons of total flow through system.

Figures



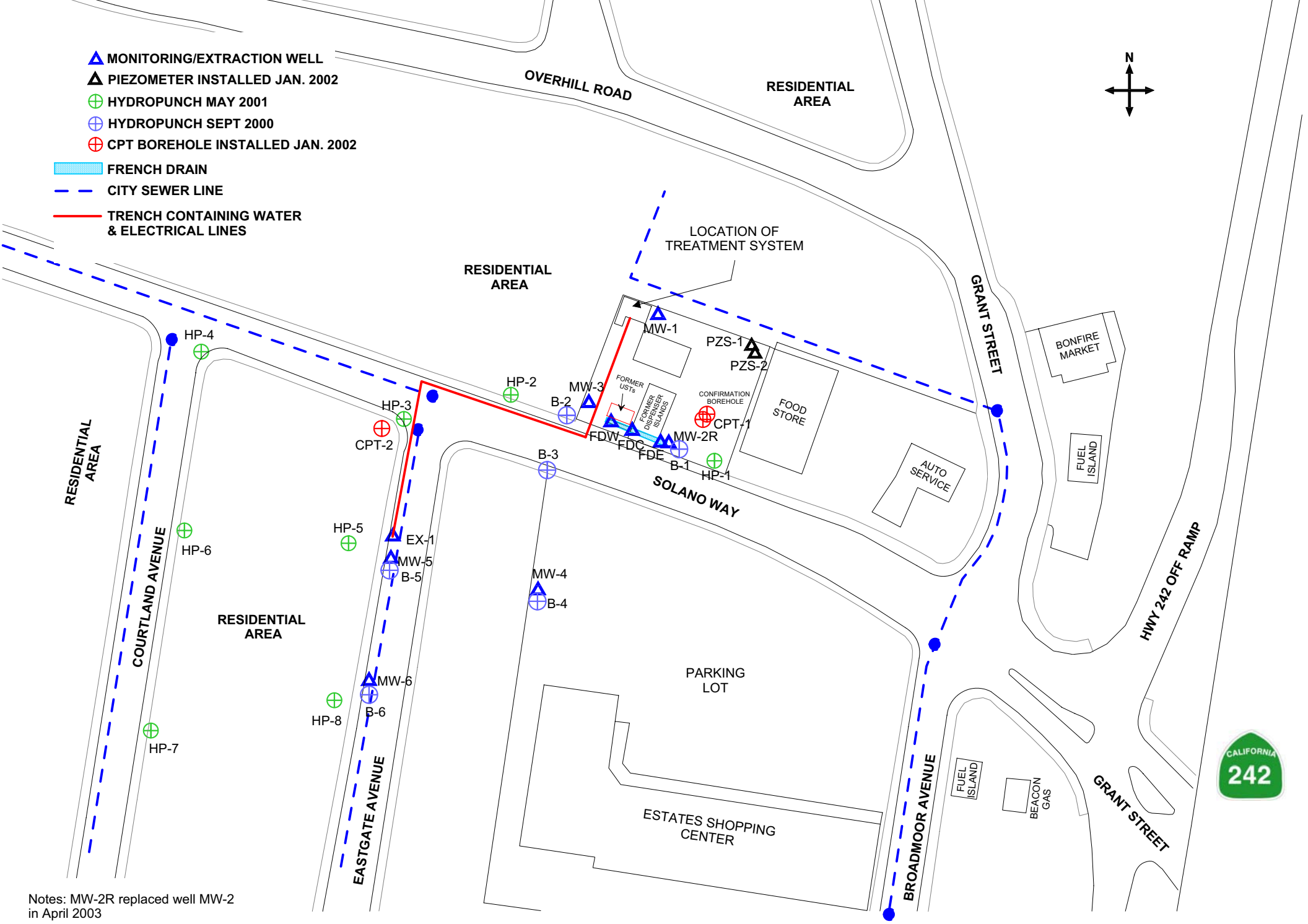
N

approximate scale in feet

0 150 300

Figure 1: Site vicinity map.

SOMA ENVIRONMENTAL ENGINEERING



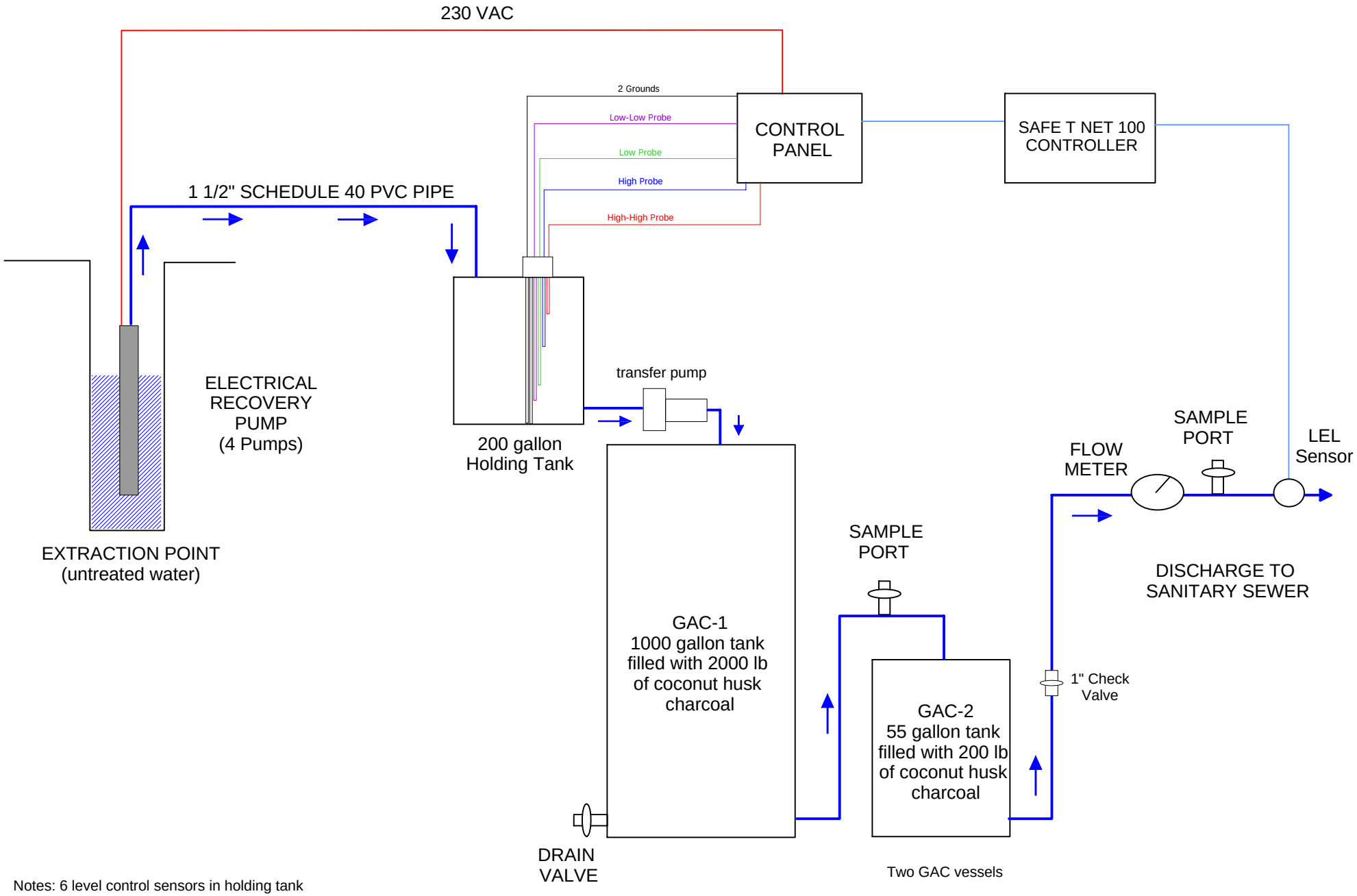
Notes: MW-2R replaced well MW-2 in April 2003

approximate scale in feet

0 50 100

Figure 2: Site map showing locations of groundwater monitoring wells, hydropunches, piezometers, the French Drain, and the extraction well.

SOMA ENVIRONMENTAL ENGINEERING, INC.



Notes: 6 level control sensors in holding tank (2-grounds, 1-high-high probe, 1-low-low probe, 1-high probe, 1-low probe)

Figure 3: Schematic of the Secondary Groundwater Treatment System
2185 Solano Way, Concord, CA

ENVIRONMENTAL ENGINEERING, INC.

Appendix A

Central Contra Costa Sanitary District
Class III Industrial User Permit

CENTRAL CONTRA COSTA SANITARY DISTRICT

Class III Industrial User Permit

Industrial User Name:	Shimoff & LAGER, c/o Bart Hom (former Beacon Station)	
Site Address:	2185 Solano Way, Concord, California 94519	
Mailing Address:	2680 Bishop Drive, Suite 203, San Ramon, CA 94583	
Permit Issued: June 1, 2005 Permit Renewal: May 31, 2007	Permit Fee through May 31, 2006 Permit Fee through May 31, 2007	$ 351.00 to be billed

Certification

- The Industrial User agrees to comply with Title 10 of the District Code and the terms and conditions of this permit.
- The Industrial User understands that this permit may be revoked and permission to discharge may be denied.
- The Industrial User shall be liable for all damages, direct and consequential, caused by violating the terms and conditions of this permit.

"I am an authorized representative of the Industrial User as specified in CCCSD Code Title 10.04.020 (B). I have authority to commit resources necessary to achieve and maintain compliance with the conditions of this permit. I have reviewed this permit document and understand the requirements contained herein."

Company Officer:

Name: Mansour Sepehr

Title: President

Signature: [signature]

Date: 5-3-05

Definition of Authorized Representative of Industrial User: An authorized representative of an industrial user may be: (1) the principal executive officer, if the industrial user is a corporation; (2) general partner or proprietor if the industrial user is a partnership or proprietorship, respectively; (3) duly authorized representative of the individual designated above if such representative is responsible for the overall operation of the facilities from which the discharge originates and if such representative is identified in writing by the individual designated in (1) or (2) above.

Authorization

The Industrial User is authorized to discharge wastewater to the sanitary sewer, subject to the Industrial User's compliance with Title 10 of the District Code, 40CFR, and the terms and conditions of this permit. This authorization is conditional on the Industrial User signing and returning the above certification to the District's Source Control Section.

Central Contra Costa Sanitary District

Name: Timothy L. Potter

Title: Source Control Program Superintendent

Signature: [signature]

Date: 4/28/05

Appendix B

Central Contra Costa Sanitary District
Periodic Compliance Report (PCR)

PERIODIC COMPLIANCE REPORT (PCR)

Central Contra Costa Sanitary District • Source Control Section
5019 Imhoff Place Martinez California 94553-4392 • (925) 229-7288

Industrial Users: Completion of the Periodic Compliance Report (PCR) is required by the Industrial User Permit issued to your facility. Refer to the Appendix of your permit for reporting requirements. When completing this PCR, please address every section below, check all the boxes that apply, and submit all information as required. Record only the information **for the reporting period** as specified in your permit. Failure to accurately complete this report may result in citation by the District.

INDUSTRIAL USER INFORMATION:

Facility Name:	Shimoff & LAGER, c/o Bert Horn (Former Beacon Station)
Site Address:	2185 Solano WAY, Concord, CA 94519
Person completing report: (Name, title, company, phone	Clifford PERINI Senior Project Engineer SOMA ENVIRONMENTAL ENGINEERING (925) 734-6400
Reporting Period:	March 1, 2006 to MAY 26, 2006

A. COMPLIANCE SCHEDULE

- ☐ All Compliance Schedule items have been completed as required and documentation has been submitted.
- ☑ Attached is a status report of Compliance Schedule items not completed as of the date of this PCR.
- ☐ There are no Compliance Schedule requirements in the Appendix of the permit.

B. SPECIAL APPROVALS & CONDITIONS

- ☑ I hereby certify that the facility and operations are in compliance with the Special Approvals and Conditions in the Appendix of the permit.
- ☐ There are no Special Approvals and Conditions requirements in the Appendix of the permit.

C. CERTIFICATION, REGISTRATION & LICENSES

- ☐ A list of certified pretreatment operators is attached as required.
- ☐ A copy of the required licenses or registrations is attached.
- ☑ There are no Certification, Registration & Licenses requirements in the Appendix of the permit.

D. OPERATION & MAINTENANCE (O&M) LOG REQUIREMENTS

- ☑ O&M Logs are maintained on-site as required.
- ☑ Copies of O&M Logs are attached as required.
- ☐ Submittal of O&M Logs is not required.

E. OTHER REPORTING REQUIREMENTS

Manifests/receipts:

- ☐ No process liquids, sludges or solids, or hazardous wastes were off-hauled or recycled during the reporting period.
- ☑ Copies of the manifests/receipts for off-haul of process liquids, sludges or solids, or hazardous wastes are attached as required.
- ☐ Records are maintained on-site; submittal is not required.

Production data for the dates of sampling:

- ☐ Production data is attached as required.
- ☑ Submittal of production data is not required.

Flow monitoring data for the dates of sampling:

- ☐ Process discharge flow meter totalizer readings as required:
  Start _____ End _____
- ☑ Process water meter totalizer readings as required:
  Start 2/22/06 1236966 gallons End 5/26/06 1752336 gallons
- ☐ Flow meter readings not required.

For Source Control use only		
Date Received:	Reviewed by:	Date Reviewed:

F. Compliance Sampling and Monitoring

Compliance Sampling Information: (for multiple days of sampling attach an additional sheet)

☐ Compliance sampling is not required

☑ The original analysis reports and chain of custody are attached. The report includes: laboratory name, address and telephone number; reporting limits; units; QA/QC data; and the date and time of all grab samples.

Sampling performed by: (name, company, phone no)	BRIAN TIMS SOMA ENVIRONMENTAL ENGINEERING, INC (925) 6620 OWENS DRIVE, SUITE A, PLEASANTON, CA 94588 734-6400
Sampling locations & wastestreams sampled:	INFLUENT EFFLUENT
Sampling start date/time: 3/14/06 11:50 AM	Sampling end date/time: 3/14/06 12 PM

Monitoring Information:

- pH recorder tape/chart: ☐ attached as required ☐ maintained on site ☑ pH monitoring not required
- Flow recorder tape/chart: ☐ attached as required ☐ maintained on site ☑ flow monitoring not required

totalizer reading

Compliance Status:

☑ All analytical and/or monitoring results are within applicable local / federal limits.

☐ Analytical and/or monitoring results indicate violation(s) of applicable federal or local limits. A separate sheet is attached listing the violations, the reasons for the violations, and a description of corrective actions taken.

Total Toxic Organics (TTO) Certification NA (Only for Industrial Users certifying in lieu of monitoring for TTO. Approved TTO Management Plan required.)

Based on my inquiry of the person or persons directly responsible for managing compliance with the permit limitation and/or pretreatment standard for Total Toxic Organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the public sewer system has occurred since the filing of the last compliance report. I further certify that this facility is implementing the TTO Management Plan submitted to, and approved by, the Central Contra Costa Sanitary District.

Signature	Title & Company	Date

Certification

All required sampling reported herein was conducted in accordance with the methods specified in the Industrial User permit for this facility. Samples were analyzed by a laboratory certified by the State of California for wastewater analysis by the methods reported. All analytical results obtained during the reporting period by EPA-approved methods, including those not required in the Industrial User permit, are included with this report. Production levels and process flows for the reporting period were typical for this facility. I have already reported to the District any changes (permanent or temporary) to the premises, processes, chemical usage, wastewater treatment, and/or operations that have the potential for changing the quality, volume, or location of the wastewater discharge of that may otherwise lead to deviation from the terms and conditions of the CCCSD Industrial User Permit. Any deviations from the above are explained on an attached sheet.

I certify under penalty of perjury that this document and all attachments were prepared under my direction or supervision and in accordance with the system designed to insure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person(s) who manages the system, or those directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fine and/or imprisonment for knowing violations.

Signature	Title & Company	Date
Clifford Reini	Senior Project Engineer SOMA ENVIRONMENTAL ENGINEERING	6/12/2006

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR — NO.

Name: Shimoff & Labee c/o Bert Horn — Site: Former Beacon Station

Mailing Address: 465 Primrose Road Suite 300 — Address: 2185 Solano Way

City, State, Zip: Burlingame, CA 94010 — City: Concord, CA

Phone: 650-348-1051

Containers: No. — Volume: — Weight:

TYPE: Tank Truck ☐ Dump Truck ☐ Drums ☐ Roll Off ☐ Other ☒ Super Sacks

Waste Description: Spent Carbon — Generating Process:

Components of Waste		%	Components of Waste		%
1. Carbon		>99	3		
2			4		

Properties: pH N — Solid ☒ Liquid ☐ Sludge ☐

Handling Instructions: Wear appropriate protective clothing.

The generator certifies that the waste as described is 100% non-hazardous.

Printed Name: TONY PERINI / Agent for owner

Signature: Tony Perini — Date: 6/14/06

TRANSPORTER

Name: Cameron Environmental Inc.

Address: 20741 Manhattan Place

City, State, Zip: Torrance, CA 90501 — Phone: 310-212-0610

Printed Name: Roland Grace

Signature: [signature] — Date: 3-24-06

Truck Unit I.D. No.: 6

TSD FACILITY

Name: California Carbon Company — Profile No.:

Address: 2826 E. Grant Street — Landfill ☐ Other ☒ — Reactivation

City, State, Zip: Wilmington, CA 90744 — Phone: 562-436-1962

Tons/Yards Rec'd: 2,400lbs.

Signature: [signature] — Date: 6/14/2006

Appendix C

Laboratory Report and Chain of Custody Form
for the
Groundwater Remediation System

SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

☐ 885 Jarvis Drive • **Morgan Hill, CA 95037** • (408) 776-9600 • FAX (408) 782-6308
☐ 1455 N. McDowell Blvd, Suite D. • **Petaluma, CA 94954** • (707) 792-1865 • FAX (707) 792-0342
☐ 819 Striker Ave., Suite 8 • **Sacramento, CA 95834** • (916) 921-9600 • FAX (916) 921-0100
☑ 2430 Sprig Court, Suite G • **Concord, CA 94520** • (925) 356-3150 • FAX (925) 356-0109

Company Name: SOMA ENVIRONMENTAL		Project: 2463 - Solano WY, Concord	
Mailing Address: 6620 Owens Drive, Suite A		Billing Address (if different):	
City: Pleasanton	State: CA Zip Code: 94588		
Telephone: 925-734-6400	Fax #: 925-734-6401	P.O. #	
Report To: Tony Perini	E-mail Address: tperini@somaenv.com	QC Data: ☐ Level II (standard) ☐ Level III ☐ Level IV	
Sampler: Brian Tims	Date / Time Results Required: standard	Sequoia's Work Order #	603292

Turnaround Time:
☑ 10-15 Working Days (Standard TAT)
☐ 7 Working Days
☐ 5 Working Days
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours
☐ 2-8 Hours

MANDATORY:
☐ SDWA (Drinking Water)
☐ CWA (Waste Water)
☐ RCRA (Hazardous Waste)
☐ Other

ANALYSES REQUESTED (Please provide method)

Client Sample I.D.	Date / Time Sampled	Matrix Desc.	# of Cont.	Container Type	Sequoia's Sample #	TPH-g 8015	BTEX 602	MTBE 8260	TPH-d 8015						Comments/ Temp (if required)
1. Effluent	3/14/06 11:50 pm		3	VOA	[illegible]D	✓	✓	✓							EDF output
2. Influent	3/14/06 12:00 p.m		3	VOA	-02A-C	✓	✓	✓							requires
3.															
4. Effluent	3/14/06 11:50 pm		1	L-Amber					✓						
5. Influent	12:00 3/14/06 pm		1	L-Amber					✓						
6.															
7.															
8.															
9.															
10.															

Relinquished by / Co.:	3/14/06 12:42	Received by / Co.: Simi Sundar	Date / Time / Temp.:	3/14/06 1250
Relinquished by / Co.:		Received by / Co.:	Date / Time / Temp.:	
Relinquished by / Co.:		Received by / Co.:	Date / Time / Temp.:	
Relinquished by / Co.:		Received by / Co.:	Date / Time / Temp.:	

Were Samples Received in Good Condition? ☑ Yes ☐ No Samples on Ice? ☐ Yes ☑ No Method of Shipment: _____ Page ___ of ___

White: Sequoia Yellow: Sequoia Pink: Client

SUBCONTRACT ORDER Printed: 3/14/2006 2:23:14PM

Sequoia Analytical - Sacramento

S603292

SENDING LABORATORY:

Sequoia Analytical - Sacramento
819 Striker Avenue, Ste. 8
Sacramento, CA 95834
Phone: (916) 921-9600
Fax: (916) 921-0100
Project Manager: Tami Lindsay
Sending lab received date: 03/14/06 12:50

RECEIVING LABORATORY:

Sequoia - Morgan Hill
885 Jarvis Dr.
Morgan Hill, CA 95037
Phone: (408) 776-9600
Fax: (408) 782-6308

☐ Drinking Water
☐ Waste Water
☐ Other

Please use standard TAT unless specific due date is requested -> Due date:_____ Initials:_____

Analysis	SLD Date	Expires	Laboratory ID	Comments
Sample ID: S603292-01 (Water sampled on 03/14/06 11:50)				
TPH-G	03/28/06 12:00	03/28/06 11:50		MH
TPH-MTBE Only	03/28/06 12:00	03/28/06 11:50		MH
Containers Supplied:				
VOA HCl (A)				
Sample ID: S603292-02 (Water sampled on 03/14/06 12:00)				
TPH-G	03/28/06 12:00	03/28/06 12:00		MH
TPH-MTBE Only	03/28/06 12:00	03/28/06 12:00		MH
Containers Supplied:				
VOA HCl (A)				

Released By	Date	Time	Received By	Date	Time
[signature]	3/14/06	14:20			
Released By	Date	Time	Received By	Date	Time

Sequoia Analytical

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31 March, 2006

Tony Perini
Soma Environmental Eng.
6620 Owens Drive, Suite A
Pleasanton, CA. 94588

RE: N/A
Work Order: S603292

Enclosed are the results of analyses for samples received by the laboratory on 03/14/06 12:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tami Lindsay

Tami Lindsay
Project Manager

CA ELAP Certificate # 2630

Sequoia Analytical

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Soma Environmental Eng.	Project: N/A	S603292
6620 Owens Drive, Suite A	Project Number: 2463-Solano Wy, Concord	**Reported:**
Pleasanton CA., 94588	Project Manager: Tony Perini	03/31/06 10:58

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Effluent	S603292-01	Water	03/14/06 11:50	03/14/06 12:50
Influent	S603292-02	Water	03/14/06 12:00	03/14/06 12:50

Effluent sample was analyzed for BTEX by method 602. Influent sample was analyzed for BTEX by method 8015, unable to analyze sample by method 602.

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Soma Environmental Eng.	Project: N/A	S603292
6620 Owens Drive, Suite A	Project Number: 2463-Solano Wy, Concord	**Reported:**
Pleasanton CA., 94588	Project Manager: Tony Perini	03/31/06 10:58

Purgeable Hydrocarbons by EPA 8015B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Effluent (S603292-01RE1) Water	**Sampled: 03/14/06 11:50**	**Received: 03/14/06 12:50**							**HT-RQ**
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	6C29005	03/29/06	03/29/06	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*96 %*	*85-115*		"	"	"	"	

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6620 Owens Drive, Suite A	Project Number: 2463-Solano Wy, Concord	**Reported:**
Pleasanton CA., 94588	Project Manager: Tony Perini	03/31/06 10:58

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Influent (S603292-02) Water Sampled: 03/14/06 12:00 Received: 03/14/06 12:50									
Benzene	**450**	25	ug/l	50	6C28002	03/28/06	03/28/06	EPA 8015B/8021B	
Toluene	**110**	25	"	"	"	"	"	"	
Ethylbenzene	**87**	25	"	"	"	"	"	"	
Xylenes (total)	**410**	25	"	"	"	"	"	"	
Methyl tert-butyl ether	**3300**	120	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*106 %*	*85-120*		"	"	"	"	
Influent (S603292-02RE1) Water Sampled: 03/14/06 12:00 Received: 03/14/06 12:50									**HT-RQ**
Gasoline Range Organics (C4-C12)	**7100**	2500	ug/l	50	6C29005	03/29/06	03/29/06	EPA 8015B/8021B	
Surrogate: 4-Bromofluorobenzene		*92 %*	*85-115*		"	"	"	"	

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Soma Environmental Eng. 6620 Owens Drive, Suite A Pleasanton CA., 94588	Project: N/A Project Number: 2463-Solano Wy, Concord Project Manager: Tony Perini	S603292 **Reported:** 03/31/06 10:58

MTBE by EPA Method 8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Effluent (S603292-01) Water Sampled: 03/14/06 11:50 Received: 03/14/06 12:50									
Methyl tert-butyl ether	ND	2.5	ug/l	1	6C28002	03/28/06	03/28/06	EPA 8021B	
Surrogate: a,a,a-Trifluorotoluene		*106 %*	*85-120*		"	"	"	"	

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Soma Environmental Eng. 6620 Owens Drive, Suite A Pleasanton CA., 94588	Project: N/A Project Number: 2463-Solano Wy, Concord Project Manager: Tony Perini	S603292 **Reported:** 03/31/06 10:58

Extractable Hydrocarbons by EPA 8015B

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Effluent (S603292-01) Water Sampled: 03/14/06 11:50 Received: 03/14/06 12:50									
Diesel Range Organics (C10-C28)	ND	50	ug/l	1	6030296	03/20/06	03/20/06	EPA 8015B-SVOA	
Surrogate: Octacosane		*94 %*	*50-150*		*"*	*"*	*"*	*"*	
Influent (S603292-02) Water Sampled: 03/14/06 12:00 Received: 03/14/06 12:50									
Diesel Range Organics (C10-C28)	**1600**	100	ug/l	2	6030296	03/20/06	03/21/06	EPA 8015B-SVOA	
Surrogate: Octacosane		*117 %*	*50-150*		*"*	*"*	*"*	*"*	

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Soma Environmental Eng.	Project: N/A	S603292
6620 Owens Drive, Suite A	Project Number: 2463-Solano Wy, Concord	**Reported:**
Pleasanton CA., 94588	Project Manager: Tony Perini	03/31/06 10:58

Purgeables by EPA Method 624

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Effluent (S603292-01) Water Sampled: 03/14/06 11:50 Received: 03/14/06 12:50									
Benzene	ND	0.50	ug/l	1	6030361	03/27/06	03/27/06	EPA 624	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*99 %*		*70-130*		*"*	*"*	*"*	
Surrogate: Toluene-d8		*91 %*		*70-130*		*"*	*"*	*"*	
Surrogate: 4-BFB		*101 %*		*70-130*		*"*	*"*	*"*	

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Soma Environmental Eng. 6620 Owens Drive, Suite A Pleasanton CA., 94588	Project: N/A Project Number: 2463-Solano Wy, Concord Project Manager: Tony Perini	S603292 **Reported:** 03/31/06 10:58

Purgeable Hydrocarbons by EPA 8015B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6C28002 - EPA 5030B [P/T] / EPA 8015B-VOA										
Blank (6C28002-BLK1)				Prepared & Analyzed: 03/28/06						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 4-Bromofluorobenzene	*76.4*		*"*	*80.0*		*96*	*80-115*			
Laboratory Control Sample (6C28002-BS1)				Prepared & Analyzed: 03/28/06						
Gasoline Range Organics (C4-C12)	215	50	ug/l	275		78	60-115			
Surrogate: 4-Bromofluorobenzene	*75.8*		*"*	*80.0*		*95*	*80-115*			
Matrix Spike (6C28002-MS1)	**Source: MPC0772-01**			Prepared & Analyzed: 03/28/06						
Gasoline Range Organics (C4-C12)	191	50	ug/l	275	ND	69	60-115			
Surrogate: 4-Bromofluorobenzene	*75.0*		*"*	*80.0*		*94*	*85-115*			
Matrix Spike Dup (6C28002-MSD1)	**Source: MPC0772-01**			Prepared & Analyzed: 03/28/06						
Gasoline Range Organics (C4-C12)	184	50	ug/l	275	ND	67	60-115	4	20	
Surrogate: 4-Bromofluorobenzene	*75.3*		*"*	*80.0*		*94*	*85-115*			
Batch 6C29005 - EPA 5030B [P/T] / EPA 8015B-VOA										
Blank (6C29005-BLK1)				Prepared & Analyzed: 03/29/06						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 4-Bromofluorobenzene	*76.5*		*"*	*80.0*		*96*	*85-115*			
Laboratory Control Sample (6C29005-BS1)				Prepared & Analyzed: 03/29/06						
Gasoline Range Organics (C4-C12)	212	50	ug/l	275		77	60-115			
Surrogate: 4-Bromofluorobenzene	*75.7*		*"*	*80.0*		*95*	*85-115*			
Matrix Spike (6C29005-MS1)	**Source: MPC0772-03**			Prepared & Analyzed: 03/29/06						
Gasoline Range Organics (C4-C12)	192	50	ug/l	275	ND	70	60-115			
Surrogate: 4-Bromofluorobenzene	*74.8*		*"*	*80.0*		*94*	*85-115*			

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Soma Environmental Eng. 6620 Owens Drive, Suite A Pleasanton CA., 94588	Project: N/A Project Number: 2463-Solano Wy, Concord Project Manager: Tony Perini	S603292 **Reported:** 03/31/06 10:58

Purgeable Hydrocarbons by EPA 8015B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6C29005 - EPA 5030B [P/T] / EPA 8015B-VOA										
Matrix Spike Dup (6C29005-MSD1)	**Source: MPC0772-03**			Prepared & Analyzed: 03/29/06						
Gasoline Range Organics (C4-C12)	196	50	ug/l	275	ND	71	60-115	2	20	
Surrogate: 4-Bromofluorobenzene	*75.8*		*"*	*80.0*		*95*	*85-115*			

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Soma Environmental Eng.	Project: N/A	S603292
6620 Owens Drive, Suite A	Project Number: 2463-Solano Wy, Concord	**Reported:**
Pleasanton CA., 94588	Project Manager: Tony Perini	03/31/06 10:58

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6C28002 - EPA 5030B [P/T] / EPA 8015B/8021B										
Blank (6C28002-BLK1)				Prepared & Analyzed: 03/28/06						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*85.7*		*"*	*80.0*		*107*	*85-120*			
Surrogate: 4-Bromofluorobenzene	*76.4*		*"*	*80.0*		*96*	*85-115*			
Laboratory Control Sample (6C28002-BS1)				Prepared & Analyzed: 03/28/06						
Gasoline Range Organics (C4-C12)	215	50	ug/l	275		78	60-115			
Surrogate: 4-Bromofluorobenzene	*75.8*		*"*	*80.0*		*95*	*85-115*			
Laboratory Control Sample (6C28002-BS2)				Prepared & Analyzed: 03/28/06						
Benzene	9.55	0.50	ug/l	10.0		96	45-150			
Toluene	9.51	0.50	"	10.0		95	70-115			
Ethylbenzene	9.31	0.50	"	10.0		93	65-115			
Xylenes (total)	28.7	0.50	"	30.0		96	70-115			
Surrogate: a,a,a-Trifluorotoluene	*83.9*		*"*	*80.0*		*105*	*85-120*			
Matrix Spike (6C28002-MS1)	**Source: MPC0772-01**			Prepared & Analyzed: 03/28/06						
Gasoline Range Organics (C4-C12)	191	50	ug/l	275	ND	69	60-115			
Benzene	3.58	0.50	"	2.65	ND	135	45-150			
Toluene	18.4	0.50	"	23.0	ND	80	70-115			
Ethylbenzene	3.54	0.50	"	4.60	ND	77	65-115			
Xylenes (total)	20.9	0.50	"	26.4	ND	79	70-115			
Surrogate: a,a,a-Trifluorotoluene	*79.3*		*"*	*80.0*		*99*	*85-120*			
Surrogate: 4-Bromofluorobenzene	*75.0*		*"*	*80.0*		*94*	*85-115*			

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Soma Environmental Eng.	Project: N/A	S603292
6620 Owens Drive, Suite A	Project Number: 2463-Solano Wy, Concord	**Reported:**
Pleasanton CA., 94588	Project Manager: Tony Perini	03/31/06 10:58

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6C28002 - EPA 5030B [P/T] / EPA 8015B/8021B										
Matrix Spike Dup (6C28002-MSD1)	**Source: MPC0772-01**			Prepared & Analyzed: 03/28/06						
Gasoline Range Organics (C4-C12)	184	50	ug/l	275	ND	67	60-115	4	20	
Benzene	3.48	0.50	"	2.65	ND	131	45-150	3	25	
Toluene	18.0	0.50	"	23.0	ND	78	70-115	2	20	
Ethylbenzene	3.51	0.50	"	4.60	ND	76	65-115	0.9	25	
Xylenes (total)	20.5	0.50	"	26.4	ND	78	70-115	2	25	
Surrogate: a,a,a-Trifluorotoluene	*81.1*		*"*	*80.0*		*101*	*85-120*			
Surrogate: 4-Bromofluorobenzene	*75.3*		*"*	*80.0*		*94*	*85-115*			
Batch 6C29005 - EPA 5030B [P/T] / EPA 8015B/8021B										
Blank (6C29005-BLK1)				Prepared & Analyzed: 03/29/06						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*85.9*		*"*	*80.0*		*107*	*85-120*			
Surrogate: 4-Bromofluorobenzene	*76.5*		*"*	*80.0*		*96*	*85-115*			
Laboratory Control Sample (6C29005-BS1)				Prepared & Analyzed: 03/29/06						
Gasoline Range Organics (C4-C12)	212	50	ug/l	275		77	60-115			
Surrogate: 4-Bromofluorobenzene	*75.7*		*"*	*80.0*		*95*	*85-115*			
Laboratory Control Sample (6C29005-BS2)				Prepared & Analyzed: 03/29/06						
Benzene	9.61	0.50	ug/l	10.0		96	45-150			
Toluene	9.30	0.50	"	10.0		93	70-115			
Ethylbenzene	9.43	0.50	"	10.0		94	65-115			
Xylenes (total)	28.7	0.50	"	30.0		96	70-115			
Surrogate: a,a,a-Trifluorotoluene	*84.1*		*"*	*80.0*		*105*	*85-120*			

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Soma Environmental Eng.	Project: N/A	S603292
6620 Owens Drive, Suite A	Project Number: 2463-Solano Wy, Concord	**Reported:**
Pleasanton CA., 94588	Project Manager: Tony Perini	03/31/06 10:58

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6C29005 - EPA 5030B [P/T] / EPA 8015B/8021B										
Matrix Spike (6C29005-MS1)	**Source: MPC0772-03**			Prepared & Analyzed: 03/29/06						
Gasoline Range Organics (C4-C12)	192	50	ug/l	275	ND	70	60-115			
Benzene	3.82	0.50	"	2.65	ND	144	45-150			
Toluene	18.7	0.50	"	23.0	ND	81	70-115			
Ethylbenzene	3.58	0.50	"	4.60	ND	78	65-115			
Xylenes (total)	21.1	0.50	"	26.4	ND	80	70-115			
Surrogate: a,a,a-Trifluorotoluene	*81.1*		*"*	*80.0*		*101*	*85-120*			
Surrogate: 4-Bromofluorobenzene	*74.8*		*"*	*80.0*		*94*	*85-115*			
Matrix Spike Dup (6C29005-MSD1)	**Source: MPC0772-03**			Prepared & Analyzed: 03/29/06						
Gasoline Range Organics (C4-C12)	196	50	ug/l	275	ND	71	60-115	2	20	
Benzene	3.89	0.50	"	2.65	ND	147	45-150	2	25	
Toluene	19.1	0.50	"	23.0	ND	83	70-115	2	20	
Ethylbenzene	3.72	0.50	"	4.60	ND	81	65-115	4	25	
Xylenes (total)	21.7	0.50	"	26.4	ND	82	70-115	3	25	
Surrogate: a,a,a-Trifluorotoluene	*80.8*		*"*	*80.0*		*101*	*85-120*			
Surrogate: 4-Bromofluorobenzene	*75.8*		*"*	*80.0*		*95*	*85-115*			

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Soma Environmental Eng. 6620 Owens Drive, Suite A Pleasanton CA., 94588	Project: N/A Project Number: 2463-Solano Wy, Concord Project Manager: Tony Perini	S603292 **Reported:** 03/31/06 10:58

MTBE by EPA Method 8021B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6C28002 - EPA 5030B [P/T] / EPA 8021B										
Blank (6C28002-BLK1)				Prepared & Analyzed: 03/28/06						
Methyl tert-butyl ether	ND	2.5	ug/l							
Surrogate: a,a,a-Trifluorotoluene	*85.7*		*"*	*80.0*		*107*	*80-120*			
Laboratory Control Sample (6C28002-BS2)				Prepared & Analyzed: 03/28/06						
Surrogate: a,a,a-Trifluorotoluene	*83.9*		*ug/l*	*80.0*		*105*	*85-120*			
Matrix Spike (6C28002-MS1)	**Source: MPC0772-01**			Prepared & Analyzed: 03/28/06						
Surrogate: a,a,a-Trifluorotoluene	*79.3*		*ug/l*	*80.0*		*99*	*85-120*			
Matrix Spike Dup (6C28002-MSD1)	**Source: MPC0772-01**			Prepared & Analyzed: 03/28/06						
Surrogate: a,a,a-Trifluorotoluene	*81.1*		*ug/l*	*80.0*		*101*	*85-120*			

Sequoia Analytical

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Sacramento, CA 95834
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Soma Environmental Eng.	Project: N/A	S603292
6620 Owens Drive, Suite A	Project Number: 2463-Solano Wy, Concord	**Reported:**
Pleasanton CA., 94588	Project Manager: Tony Perini	03/31/06 10:58

Extractable Hydrocarbons by EPA 8015B - Quality Control
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6030296 - EPA 3510C / EPA 8015B-SVOA										
Blank (6030296-BLK1)				Prepared & Analyzed: 03/20/06						
Diesel Range Organics (C10-C28)	ND	50	ug/l							
Surrogate: Octacosane	*18.8*		*"*	*20.0*		*94*	*50-150*			
Laboratory Control Sample (6030296-BS1)				Prepared & Analyzed: 03/20/06						
Diesel Range Organics (C10-C28)	471	50	ug/l	500		94	60-140			
Surrogate: Octacosane	*19.8*		*"*	*20.0*		*99*	*50-150*			
Laboratory Control Sample Dup (6030296-BSD1)				Prepared & Analyzed: 03/20/06						
Diesel Range Organics (C10-C28)	492	50	ug/l	500		98	60-140	4	50	
Surrogate: Octacosane	*19.9*		*"*	*20.0*		*100*	*50-150*			

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Soma Environmental Eng.	Project: N/A	S603292
6620 Owens Drive, Suite A	Project Number: 2463-Solano Wy, Concord	**Reported:**
Pleasanton CA., 94588	Project Manager: Tony Perini	03/31/06 10:58

Purgeables by EPA Method 624 - Quality Control

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6030361 - EPA 5030B [P/T] / EPA 624										
Blank (6030361-BLK1)				Prepared & Analyzed: 03/23/06						
Benzene	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	"							
1,2-Dichlorobenzene	ND	0.50	"							
1,3-Dichlorobenzene	ND	0.50	"							
1,4-Dichlorobenzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-DCA-d4	*9.90*		*"*	*10.0*		*99*	*70-130*			
Surrogate: Toluene-d8	*9.43*		*"*	*10.0*		*94*	*70-130*			
Surrogate: 4-BFB	*10.2*		*"*	*10.0*		*102*	*70-130*			
Blank (6030361-BLK2)				Prepared: 03/24/06 Analyzed: 03/25/06						
Benzene	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	"							
1,2-Dichlorobenzene	ND	0.50	"							
1,3-Dichlorobenzene	ND	0.50	"							
1,4-Dichlorobenzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-DCA-d4	*9.99*		*"*	*10.0*		*100*	*70-130*			
Surrogate: Toluene-d8	*9.46*		*"*	*10.0*		*95*	*70-130*			
Surrogate: 4-BFB	*10.3*		*"*	*10.0*		*103*	*70-130*			
Blank (6030361-BLK3)				Prepared & Analyzed: 03/27/06						
Benzene	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	"							
1,2-Dichlorobenzene	ND	0.50	"							
1,3-Dichlorobenzene	ND	0.50	"							
1,4-Dichlorobenzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-DCA-d4	*9.54*		*"*	*10.0*		*95*	*70-130*			
Surrogate: Toluene-d8	*8.95*		*"*	*10.0*		*90*	*70-130*			

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Soma Environmental Eng. 6620 Owens Drive, Suite A Pleasanton CA., 94588	Project: N/A Project Number: 2463-Solano Wy, Concord Project Manager: Tony Perini	S603292 **Reported:** 03/31/06 10:58

Purgeables by EPA Method 624 - Quality Control

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6030361 - EPA 5030B [P/T] / EPA 624										
Blank (6030361-BLK3)				Prepared & Analyzed: 03/27/06						
Surrogate: 4-BFB	*9.93*		*ug/l*	*10.0*		*99*	*70-130*			
Laboratory Control Sample (6030361-BS1)				Prepared & Analyzed: 03/23/06						
Benzene	20.1	0.50	ug/l	20.0		100	37-151			
Chlorobenzene	20.7	0.50	"	20.0		104	37-160			
Toluene	19.7	0.50	"	20.0		98	47-150			
Surrogate: 1,2-DCA-d4	*10.7*		*"*	*10.0*		*107*	*70-130*			
Surrogate: Toluene-d8	*9.59*		*"*	*10.0*		*96*	*70-130*			
Surrogate: 4-BFB	*9.33*		*"*	*10.0*		*93*	*70-130*			
Laboratory Control Sample (6030361-BS2)				Prepared & Analyzed: 03/24/06						
Benzene	20.5	0.50	ug/l	20.0		102	37-151			
Chlorobenzene	19.9	0.50	"	20.0		100	37-160			
Toluene	19.0	0.50	"	20.0		95	47-150			
Surrogate: 1,2-DCA-d4	*9.94*		*"*	*10.0*		*99*	*70-130*			
Surrogate: Toluene-d8	*9.28*		*"*	*10.0*		*93*	*70-130*			
Surrogate: 4-BFB	*9.41*		*"*	*10.0*		*94*	*70-130*			
Laboratory Control Sample (6030361-BS3)				Prepared & Analyzed: 03/27/06						
Benzene	23.8	0.50	ug/l	20.0		119	37-151			
Chlorobenzene	20.7	0.50	"	20.0		104	37-160			
Toluene	19.9	0.50	"	20.0		100	47-150			
Surrogate: 1,2-DCA-d4	*10.1*		*"*	*10.0*		*101*	*70-130*			
Surrogate: Toluene-d8	*9.20*		*"*	*10.0*		*92*	*70-130*			
Surrogate: 4-BFB	*9.40*		*"*	*10.0*		*94*	*70-130*			
Matrix Spike (6030361-MS1)	**Source: S603340-03**			Prepared: 03/24/06 Analyzed: 03/25/06						
Benzene	19.3	0.50	ug/l	20.0	ND	96	37-151			
Chlorobenzene	19.2	0.50	"	20.0	ND	96	37-160			
Toluene	17.9	0.50	"	20.0	ND	90	47-150			
Surrogate: 1,2-DCA-d4	*10.2*		*"*	*10.0*		*102*	*70-130*			
Surrogate: Toluene-d8	*9.27*		*"*	*10.0*		*93*	*70-130*			
Surrogate: 4-BFB	*9.53*		*"*	*10.0*		*95*	*70-130*			

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Soma Environmental Eng.	Project: N/A	S603292
6620 Owens Drive, Suite A	Project Number: 2463-Solano Wy, Concord	**Reported:**
Pleasanton CA., 94588	Project Manager: Tony Perini	03/31/06 10:58

Purgeables by EPA Method 624 - Quality Control

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6030361 - EPA 5030B [P/T] / EPA 624										
Matrix Spike Dup (6030361-MSD1)	**Source: S603340-03**			Prepared: 03/24/06 Analyzed: 03/25/06						
Benzene	21.1	0.50	ug/l	20.0	ND	106	37-151	9	25	
Chlorobenzene	19.7	0.50	"	20.0	ND	98	37-160	3	25	
Toluene	18.8	0.50	"	20.0	ND	94	47-150	5	25	
Surrogate: 1,2-DCA-d4	*10.2*		*"*	*10.0*		*102*	*70-130*			
Surrogate: Toluene-d8	*9.31*		*"*	*10.0*		*93*	*70-130*			
Surrogate: 4-BFB	*9.53*		*"*	*10.0*		*95*	*70-130*			

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Soma Environmental Eng.	Project: N/A	S603292
6620 Owens Drive, Suite A	Project Number: 2463-Solano Wy, Concord	**Reported:**
Pleasanton CA., 94588	Project Manager: Tony Perini	03/31/06 10:58

Notes and Definitions

HT-RQ	This sample was originally analyzed within the EPA recommended hold time but QA/QC criteria was outside limits. Re-analysis was performed past the recommended hold time.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Appendix D

Operation & Maintenance Logs
for the
Groundwater Remediation System

CCCSD SOURCE CONTROL
FLOW SUMMARY REPORT

DISCHARGER: As a condition of your permit, you are required to complete and submit this Flow Summary Report to the District on a periodic basis. Please refer to Reporting Requirements in the Appendix of your permit.

DISCHARGER NAME: Shimoff & Lager, c/o Bert Horn, Former Beacon Station **PERMIT #** NA

DISCHARGE SITE: 2185 Solano Way **CITY** Concord

REPORT PERIOD:

CHECK ONE		YEAR
☐	Jun 1 – Aug 31	
☐	Sep 1 – Nov 30	
☐	Dec 1 – Feb 28	
☑	Mar 1 – May 31	2006

	Month: March	Month: April	Month: May
Total Flow Volume	155,418 GALLONS	242,086 GALLONS	117,866 GALLONS
Average Daily Flow Volume	5360 GPD	7565 GPD	3683 GPD
Number of days of Discharge	29 Days	32 Days	32 Days
Peak Daily Flow	GALLONS ON	GALLONS ON	GALLONS ON

notes: (2/22/06 - 3/23/06) (3/23/06 - 4/24/06) (4/24/06 - 5/26/06)

1. Use readings from flow meter, flow logs, or water usage records. *Attach copies of logs or records to this report.*
2. Calculate Average Daily Flow Volume in gallons for each month. If available, record date and volume of *peak* daily flow in lieu of calculated average.

(For District use only)

☐ Bill Permit Fee $_____ Permit Type _____

Type of SSC billing:
- ☐ Industrial formula
- ☐ Commercial rate

  Commercial Category: _____

Type of Facility Use Charge billing:
- ☐ Flat rate _____ per _____
- ☐ Groundwater formula (strength factors = 0)
  - ☐ FCF formula (strength factors provided)

Other Amount _____ For _____

Date Received _____ Date Processed _____ By _____

2185 Solano Way, Concord

Carbon System

O&M Checklist	Date 2/22/06	3/3/06	3/8/06	3/14/06
(Gallons) Record Totalizer Reading	180,062	224,964	251,356	289,762
(gallons) Record Instantaneous Flow Reading	3.54	4.06	6.58	9.29
Check Electrical downhole pumps	✓	✓	✓	✓
check for water leaks in system	✓	✓	✓	✓
check lightness of sensors in holding tank	✓	✓	✓	✓
check cleanliness of sensors in holding tank	✓	✓	✓	✓
LEL Reading	0	0	0	✓
notes	10 Am	11:50 Am	11:45 Am	11:55 Am
			CARBON CHANGE	SAMPLED

Add 1056904 gallons for flow to CCCSD

Add 1385924 gallons for total system flow

2185 Solano Way, Concord
Carbon System

O&M Checklist	Date 3,23,06	4/4/06	4/12/06	4/20/06
(Gallons) Record Totalizer Reading	335,480	435168	496 063	553,768
(gallons) Record Instantaneous Flow Reading	6.8	8.3	8,36	
Check Electrical downhole pumps	✓	✓	✓	✓
check for water leaks in system	✓	✓	✓	✓
check tightness of sensors in holding tank	✓	✓	✓	✓
check cleanliness of sensors in holding tank	✓	✓	✓	✓
LEL Reading	0	0	0	0
notes	2:30 pm	3:12 PM	2:00 PM	1:00 pm

Add 1056904 gallons for flow to CCCSD
Add 1385924 gallons for total system flow

(3/31/06
407,980 gallons
system operation normal)

2185 Solano Way, Concord

Carbon system

O&M Checklist	Date 4/24/06	5/8/06	5/19/06	5/26/06
(Gallons) Record Totalizer Reading	577,586 (4 days)	630,806	668650	695,432
(gallons) Record Instantaneous Flow Reading		8.37		
Check Electrical downhole pumps	✓	✓	✓	✓
check for water leaks in system	✓	✓	✓	✓
check tightness of sensors in holding tank	✓	✓	✓	✓
check cleanliness of sensors in holding tank	✓	✓	✓	✓
LEL Reading	1	0	0	0
notes		2:30	12:00	changes made

Add 1056904 gallons for flow to CCCSD

Add 1385924 gallons for total system flow